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MISG Documentation  
Standards Manual

DS1D2910  
June, 1985

## Chapter 4

### SYSTEM REQUIREMENTS DOCUMENT

The System Requirements Document (SRD) is created during the Preliminary stage of the Initiation Phase. The SRD describes the system level objectives and requirements for the customer. The document is reviewed at the PRR and is one of five documents that compose the Preliminary Functional Baseline. During the Detailed Requirements stage of the Initiation Phase, the SRD is expanded to create the Detailed System Requirements Document (DSRD) which is reviewed at the SRR and becomes part of the Functional Baseline.

The following outline describes the content of the SRD.

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## 4.1 FUNCTIONAL REQUIREMENTS

### 4.1.1 - 4.1.N (Name of Functional Requirement)

State the major functions which the system must perform, including the internal performance, security, hardware, and human engineering requirements specific to the function.

For example:

- Data Entry - The system must provide the capability for online entry of payroll information for overt employees
- Report Generation - The system must provide the capability for selective periodic summary reports, as well as query capabilities for ad hoc reports.

Present detailed requirements sufficient to design a system. The distinction between mandatory requirements and design goals or options must be clearly distinguished to facilitate traceability of functional requirements.

4.1.1.1 - 4.1.N.M State the detailed requirements for the functional area.

## 4.2 PERFORMANCE REQUIREMENTS

### 4.2.1 - 4.2.N (Name of Performance Requirement)

State the performance requirements imposed on the system, considering at a minimum:

- Reliability requirements such as mean time before failure or mean time to repair failure
- Availability requirements in terms of user access to system supported functions and facilities, including operational time schedules and locations from which to access system functions
- Maintainability requirements for hardware and software such as equipment maintenance, to include types of maintenance, who shall perform maintenance, maintenance schedules, how the system shall be supported during maintenance, and procedures for maintaining system data and system software
- Sizing requirements in terms of online storage and required memory
- Accuracy requirements as related to mathematical calculations

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#### 4.5 HUMAN ENGINEERING REQUIREMENTS

4.5.1 - 4.5.N (Name of Human Engineering Requirement)

State the human engineering requirements, considering at a minimum:

- User friendliness
- Transparency
- Simplicity
- Types of display.

4.5.1.1 - 4.5.N.M State the detailed human engineering requirements.

#### 4.6 INTERFACE REQUIREMENTS

4.6.1 - 4.6.N (Name of External Interfacing System)

4.6.1.1 - 4.6.N.M (Name of Data Exchange)

Describe briefly the type of data exchange required.

Detailed requirements for the data exchange will be contained in the appropriate Interface Control Document. Therefore, no detailed interface requirements will exist in the DSRD.

#### 4.7 CONVERSION REQUIREMENTS

4.7.1 - 4.7.N (Name of Conversion Requirement)

State the requirements to convert to the system. Conversion requirements address the reformatting of data from the current system and the loading of the converted data to the new system by project personnel.

4.7.1.1 - 4.7.N.M State the detailed conversion requirements.

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IPS  
 F88-0242  
 F88-0862 > NO SUBJECTS

DECAT

REQNUM  
 EDATE

\* 1980 - 39

1981 -

1982 -

1983 -

1984 -

\* 1985 - 939

1986 -

\* 1987 - 1459

1988 1692

70% change  
 or PC  
 Chg

8 Rate of Growth  
 Ratio R

Discrete Annual  
 Growth Rate

76 Per or P

Data follows  
 compound except  
 rate AGR

939

39

Chg